

OIPPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/002,603

DATE: 12/13/2001

TIME: 09:09:00

Input Set : A:\465c6.app

Output Set: N:\CRF3\12132001\I002603.raw

3 <110> APPLICANT: Gaiger, Alexander  
 4 McNeill, Patricia D.  
 5 Smithgall, Molly  
 6 Moulton, Gus  
 7 Vedvick, Thomas S.  
 8 Sleath, Paul R.  
 9 Mossman, Sally  
 10 Evans, Lawrence  
 11 Spies, A. Gregory  
 12 Boydston, Jeremy  
 15 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR WT1  
 16 SPECIFIC IMMUNOTHERAPY  
 18 <130> FILE REFERENCE: 210121.465C6  
 C--> 20 <140> CURRENT APPLICATION NUMBER: US/10/002,603  
 21 <141> CURRENT FILING DATE: 2001-10-30  
 23 <160> NUMBER OF SEQ ID NOS: 413  
 25 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
 27 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 17  
 29 <212> TYPE: PRT  
 30 <213> ORGANISM: Homo sapien  
 32 <400> SEQUENCE: 1  
 33 Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Pro Ser Leu Gly Gly Gly  
 34 1 5 10 15  
 35 Gly  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 23  
 40 <212> TYPE: PRT  
 41 <213> ORGANISM: Homo sapien  
 43 <400> SEQUENCE: 2  
 44 Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe Pro Asn Ala Pro  
 45 1 5 10 15  
 46 Tyr Leu Pro Ser Cys Leu Glu  
 47 20  
 49 <210> SEQ ID NO: 3  
 50 <211> LENGTH: 23  
 51 <212> TYPE: PRT  
 52 <213> ORGANISM: Mus musculus  
 54 <400> SEQUENCE: 3  
 55 Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe Pro Asn Ala Pro  
 56 1 5 10 15  
 57 Tyr Leu Pro Ser Cys Leu Glu  
 58 20  
 60 <210> SEQ ID NO: 4  
 61 <211> LENGTH: 19  
 62 <212> TYPE: PRT  
 63 <213> ORGANISM: Homo sapien

ENTERED

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```

65 <400> SEQUENCE: 4
66 Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser Ser Val Lys
67 1 5 10 15
68 Trp Thr Glu
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 22
73 <212> TYPE: DNA
74 <213> ORGANISM: Homo sapien
76 <400> SEQUENCE: 5
77 gagagtcaga cttgaaagca gt 22
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 20
81 <212> TYPE: DNA
82 <213> ORGANISM: Homo sapien
84 <400> SEQUENCE: 6
85 ctgagcctca gcaaattgggc 20
87 <210> SEQ ID NO: 7
88 <211> LENGTH: 27
89 <212> TYPE: DNA
90 <213> ORGANISM: Homo sapien
92 <400> SEQUENCE: 7
93 gagcatgcat gggctccgac gtgcggg 27
95 <210> SEQ ID NO: 8
96 <211> LENGTH: 25
97 <212> TYPE: DNA
98 <213> ORGANISM: Homo sapien
100 <400> SEQUENCE: 8
101 ggggtaccca ctgaacggtc cccga 25
103 <210> SEQ ID NO: 9
104 <211> LENGTH: 18
105 <212> TYPE: DNA
106 <213> ORGANISM: Mus musculus
108 <400> SEQUENCE: 9
109 tccgagccgc acctcatg 18
111 <210> SEQ ID NO: 10
112 <211> LENGTH: 18
113 <212> TYPE: DNA
114 <213> ORGANISM: Mus musculus
116 <400> SEQUENCE: 10
117 gcctgggatg ctggactg 18
119 <210> SEQ ID NO: 11
120 <211> LENGTH: 27
121 <212> TYPE: DNA
122 <213> ORGANISM: Mus musculus
124 <400> SEQUENCE: 11
125 gagcatgcga tgggttccga cgtgcgg 27
127 <210> SEQ ID NO: 12
128 <211> LENGTH: 29
129 <212> TYPE: DNA

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130 <213> ORGANISM: Mus musculus
132 <400> SEQUENCE: 12
133 ggggtacctc aaagcgccac gtggagttt
135 <210> SEQ ID NO: 13
136 <211> LENGTH: 17
137 <212> TYPE: PRT
138 <213> ORGANISM: Mus musculus
140 <400> SEQUENCE: 13
141 Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Ser Ser Leu Gly Gly Gly
142 1 5 10 15
143 Gly
146 <210> SEQ ID NO: 14
147 <211> LENGTH: 19
148 <212> TYPE: PRT
149 <213> ORGANISM: Mus musculus
151 <400> SEQUENCE: 14
152 Gly Ala Thr Leu Lys Gly Met Ala Ala Gly Ser Ser Ser Ser Val Lys
153 1 5 10 15
154 Trp Thr Glu
157 <210> SEQ ID NO: 15
158 <211> LENGTH: 15
159 <212> TYPE: PRT
160 <213> ORGANISM: Homo sapien
162 <400> SEQUENCE: 15
163 Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg
164 1 5 10 15
166 <210> SEQ ID NO: 16
167 <211> LENGTH: 15
168 <212> TYPE: PRT
169 <213> ORGANISM: Mus musculus
171 <400> SEQUENCE: 16
172 Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg
173 1 5 10 15
175 <210> SEQ ID NO: 17
176 <211> LENGTH: 14
177 <212> TYPE: PRT
178 <213> ORGANISM: Mus musculus
180 <400> SEQUENCE: 17
181 Val Arg Arg Val Ser Gly Val Ala Pro Thr Leu Val Arg Ser
182 1 5 10
184 <210> SEQ ID NO: 18
185 <211> LENGTH: 14
186 <212> TYPE: PRT
187 <213> ORGANISM: Homo sapien
189 <400> SEQUENCE: 18
190 Val Arg Arg Val Pro Gly Val Ala Pro Thr Leu Val Arg Ser
191 1 5 10
193 <210> SEQ ID NO: 19
194 <211> LENGTH: 15

```

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Input Set : A:\465c6.app

Output Set: N:\CRF3\12132001\I002603.raw

```

195 <212> TYPE: PRT
196 <213> ORGANISM: Homo sapien
198 <400> SEQUENCE: 19
199   Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val Arg His His
200     1             5             10             15
202 <210> SEQ ID NO: 20
203 <211> LENGTH: 15
204 <212> TYPE: PRT
205 <213> ORGANISM: Mus musculus
207 <400> SEQUENCE: 20
208   Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val Arg His His
209     1             5             10             15
211 <210> SEQ ID NO: 21
212 <211> LENGTH: 21
213 <212> TYPE: DNA
214 <213> ORGANISM: Mus musculus
216 <400> SEQUENCE: 21
217   cccaggctgc aataagagat a
219 <210> SEQ ID NO: 22
220 <211> LENGTH: 21
221 <212> TYPE: DNA
222 <213> ORGANISM: Mus musculus
224 <400> SEQUENCE: 22
225   atgtttgtgat ggcggaccaa t
227 <210> SEQ ID NO: 23
228 <211> LENGTH: 20
229 <212> TYPE: DNA
230 <213> ORGANISM: Homo sapien
232 <400> SEQUENCE: 23
233   gtggggcgcc ccaggcacca
235 <210> SEQ ID NO: 24
236 <211> LENGTH: 24
237 <212> TYPE: DNA
238 <213> ORGANISM: Homo sapien
240 <400> SEQUENCE: 24
241   gtccttaatg ctacgcacga tttc
243 <210> SEQ ID NO: 25
244 <211> LENGTH: 21
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapien
248 <400> SEQUENCE: 25
249   ggcattctgag accagtgaga a
251 <210> SEQ ID NO: 26
252 <211> LENGTH: 21
253 <212> TYPE: DNA
254 <213> ORGANISM: Homo sapien
256 <400> SEQUENCE: 26
257   gctgtcccac ttacagatgc a
259 <210> SEQ ID NO: 27

```

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```

260 <211> LENGTH: 21
261 <212> TYPE: DNA
262 <213> ORGANISM: Homo sapien
264 <400> SEQUENCE: 27
265   tcaaagcgcc agctggagtt t
267 <210> SEQ ID NO: 28
268 <211> LENGTH: 9
269 <212> TYPE: PRT
270 <213> ORGANISM: Homo sapien
272 <400> SEQUENCE: 28
273   Ala Ala Gly Ser Ser Ser Ser Val Lys
274     1           5
276 <210> SEQ ID NO: 29
277 <211> LENGTH: 9
278 <212> TYPE: PRT
279 <213> ORGANISM: Homo sapien
281 <400> SEQUENCE: 29
282   Ala Ala Gln Phe Pro Asn His Ser Phe
283     1           5
285 <210> SEQ ID NO: 30
286 <211> LENGTH: 9
287 <212> TYPE: PRT
288 <213> ORGANISM: Homo sapien
290 <400> SEQUENCE: 30
291   Ala Glu Pro His Glu Glu Gln Cys Leu
292     1           5
294 <210> SEQ ID NO: 31
295 <211> LENGTH: 9
296 <212> TYPE: PRT
297 <213> ORGANISM: Homo sapien
299 <400> SEQUENCE: 31
300   Ala Gly Ala Cys Arg Tyr Gly Pro Phe
301     1           5
303 <210> SEQ ID NO: 32
304 <211> LENGTH: 9
305 <212> TYPE: PRT
306 <213> ORGANISM: Homo sapien
308 <400> SEQUENCE: 32
309   Ala Gly Ser Ser Ser Ser Val Lys Trp
310     1           5
312 <210> SEQ ID NO: 33
313 <211> LENGTH: 9
314 <212> TYPE: PRT
315 <213> ORGANISM: Homo sapien
317 <400> SEQUENCE: 33
318   Ala Ile Arg Asn Gln Gly Tyr Ser Thr
319     1           5
321 <210> SEQ ID NO: 34
322 <211> LENGTH: 9

```

21

Use of n and/or Xaa has been detected in the Sequence Listing.  
 Review the Sequence Listing to insure a corresponding  
 explanation is presented in the <220> to <223> fields of  
 each sequence using n or Xaa.

## VERIFICATION SUMMARY

DATE: 12/13/2001

PATENT APPLICATION: US/10/002,603

TIME: 09:09:01

Input Set : A:\465c6.app

Output Set: N:\CRF3\12132001\I002603.raw

L:20 M:270 C: Current Application Number differs, Wrong Format

L:5110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:406

L:5120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:406

L:5130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:406